



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/685,482	10/16/2003	Hisao Ohtani	243992US6	5384
22850	7590	03/20/2006	EXAMINER	
OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C. 1940 DUKE STREET ALEXANDRIA, VA 22314			TRAN, QUOC A	
			ART UNIT	PAPER NUMBER
			2176	

DATE MAILED: 03/20/2006

Please find below and/or attached an Office communication concerning this application or proceeding.



### DETAILED ACTION

1. This action is responsive to Application filed 10/16/2003; acknowledge foreign priority from JAPAN 2002-304264 filed 10/18/2002.
2. Claims 1-24 are currently pending in this application. Claims 1, 14 and 23-24 are independent claims.

### *Claim Rejections - 35 USC § 112*

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

*The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.*

4. Claims 3 and 16 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which. Evidence that claims 3 and 16 recites the limitation “...**the proximity of**...”, in pages 16 and 49, which are failing to particularly point out and distinctly claim the subject matter; It is unclear what Applicant’s intended the metes and bounds of the claims are, also (see Application Invention Specification pages 7-8) states “...displays each of the plurality of news-item markers in **the proximity of** a header of each news item...”, which are failing to particularly point out and distinctly claim the subject matter; It is unclear what Applicant’s intended the metes and bounds of the claims are.

5. Claims 6-8, 19-21, 9 and 22 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which. Evidence that claims 6-8 recite the limitation “...**display means has two display screens**...”, in pages 46-47, while claims 9 and 22 recite the limitation “...**display means has one display**...

Art Unit: 2176

screen ...”, in pages 47 and 51, (i.e. claims 6-8, 19-21, 9 and 22 are dependency of independent claims 1 and 14, that provides an electronic information display apparatus comprising: display means for displaying an image based on electronic information at least having image information of a page space having a plurality ...displaying onto said display means an image of said news-item contents information associated with the news-item partition in which said selected news-item marker is displayed...), which are failing to particularly point out and distinctly claim the subject matter; It is unclear what Applicant’s intended the metes and bounds of the claims (i.e. **two display screens and/or one display screen**).

Clarification and/or correction are required.

### ***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

*(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.*

6. **Claims 1-5, 9-18 and 22-24** are rejected under 35 U.S.C. 103(a) as being unpatentable over Rohrabugh et al. US 20020091738A1 – Published 07/11/2002 (hereinafter Rohrabugh), in view of Bjork et al. “WEST: A Web Browser for Small Terminals” by UIST Published 1999 Asheville, NC. US (hereinafter Bjork).

**In regard to independent claim 1, display means for displaying an image based on electronic information at least having image information of a page space having a plurality**

Art Unit: 2176

**of partitions of news items and news-item contents information associated with each of said plurality of partitions of news items; operation means for executing information display onto said display means; image information display control means for displaying an image of said page space image information among said electronic information onto said display means** (see Rohrabough at page 1, paragraph [0009 through page 12 paragraph [0105], also see FIGS. 1(a)-1(b), 7-9 and Fig. 4 (A) – (G), discloses various clients ultra-thin client-side viewer provides the graphics, linking, caching, and function handling capabilities necessary for extending the web to almost any platform. It is designed as a lightweight browser (micro-browser) running directly on device operating systems, wherein objects corresponding to the original content of FIG. 4A are shown with an appended "B" that is added to each object's root reference number, wherein the root reference number for an object is that same as the logically grouped content in FIG. 4A that it corresponds to, e.g., an object 248B is generated for "NEWS SPARKS MARKET" headline 248A, etc. the page layout is defined based on the bounding boxes. In actuality, generation of the page layout information is performed in conjunction with defining the boundary boxes for the objects, wherein the location of a given object is based on the location of other related;

Art Unit: 2176

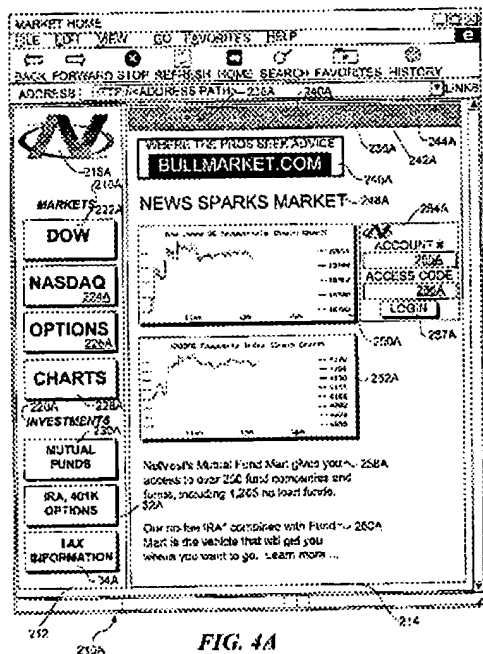


FIG. 4A

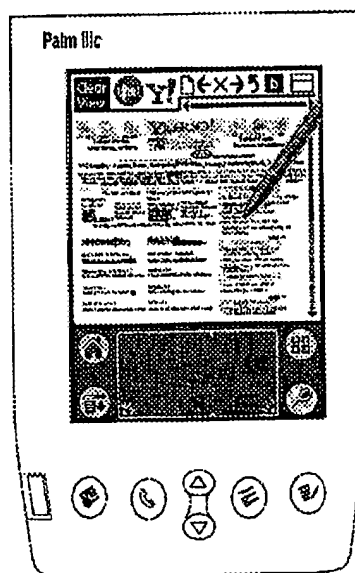


FIG. 7A

As shown above in Fig. 4 and 7, a representation of a web page 210 served from an exemplary stock brokerage Internet web site, as it would appear when rendered on a modern Internet browser, such as Microsoft's Internet Explorer or Netscape's Navigator. Web page 210 is exemplary of many web pages that implement frames, and includes two adjacent frames 212 and 214. A logo graphic object 216A is displayed horizontal group of links 236 is disposed at the top of frame 214, and includes a "QUOTES" link 238A, a "HOT PICKS" link 240A, a "CALENDARS" link 242A, and a "NEWS" link 244A and so on...

Rohrbaugh does not explicitly teach, **news-item marker display control means for displaying news-item markers each corresponding to each of said news items in said page space image information displayed on said display means in response to an operation executed through said operation means; and news-item contents information display control means for, if desired one of said news-item markers is selected from among said displayed news-item markers by an operation executed through said operation means,**

Art Unit: 2176

**displaying onto said display means an image of said news-item contents information associated with the news-item partition in which said selected news-item marker is displayed**, however (see Bjork at pages 187-196), discloses WEST browser for uses in Palm OS Emulator, that include one of the features such as:

1. A chunking stage, where an HTML page was divided into a number of smaller pages, or cards, which were then collected into groupings, or decks

2. A text reduction stage, where a set of keywords summarizing each card were extracted from the text,

3. A link extraction stage, where all the hyper-links on each card were extracted, the resulting cards, with supporting keywords and links, were then passed to the client. The client application would then provide the following display modes:

- Thumbnail view: Here, a focus+context visualization comprising miniature views of the cards (or top-most card of each deck) was provided,

- Keyword view: Here, rather than presenting thumbnails, the keywords extracted from each card were presented,

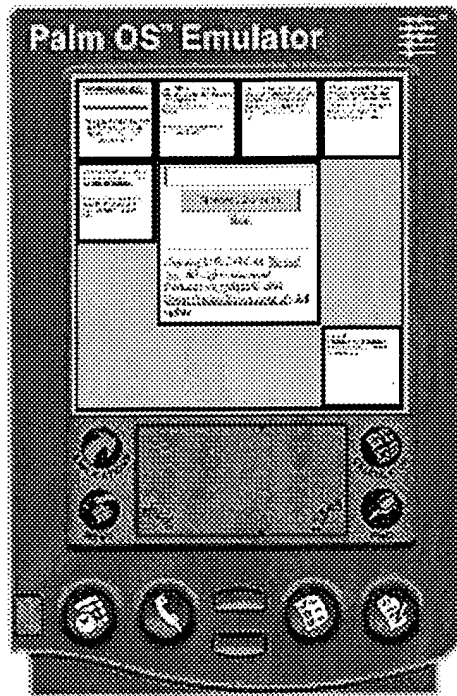
- Link view: Similar to the keyword view, but rather than displaying keywords, this view showed the links available on each card,

(A pure text view, showing only the text with no images or formatting, was not included in this prototype but could be useful in some situations and might be added later.)

Each view allowed the user to zoom in completely on a card, providing a fully readable view of the content. The user interacted with the views using the flip zooming focus+context

Art Unit: 2176

visualization technique [16], through which the system provided an overview of the material with simultaneous access to the individual cards,



The WEST browser on a simulated Palm OS™ display, also (see detail Interacting Example on pages 190-192),

Examiner read news-item markers each corresponding to each of said news items in said page space image information displayed on said display means in response to an operation executed through said operation means; and news-item contents information display control means for, if desired one of said news-item markers is selected from among said displayed news-item markers by an operation executed through said operation means, displaying onto said display means an image of said news-item contents information associated with the news-item partition in which said selected news-item marker is displayed in the broadest reasonable interpretation to the claim limitation; which would have been an obvious variant of the above



Art Unit: 2176

(i.e. The WEST browser on a simulated Palm OS™ and its function shows in Interacting Example on pages 190-192) , to a person of ordinary skill in the art at the time the invention was made.

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to have modified Rohrbaugh teaching, provides display means for displaying an image based on electronic information at least having image information of a page space having a plurality of partitions of news items and news-item contents information associated with each of said plurality of partitions of news items; operation means for executing information display onto said display means; image information display control means for displaying an image of said page space image information among said electronic information onto said display means, to include a means of utilizing the news-item marker display control means for displaying news-item markers each corresponding to each of said news items in said page space image information displayed on said display means in response to an operation executed through said operation means; and news-item contents information display control means for, if desired one of said news-item markers is selected from among said displayed news-item markers by an operation executed through said operation means, displaying onto said display means an image of said news-item contents information associated with the news-item partition in which said selected news-item marker is displayed of Bjork's teaching. One of ordinary skill in the art would have been motivated to modify this combination to provide a scalable vector representation with resolution-independent vector display of Internet content to allow it to be scaled (zoomed) larger and smaller for better viewing or to fit any resolution or

Art Unit: 2176

screen size, such as Simple Vector Format, where it is scaled and/or offset, enabling users to zoom and/or pan the Web content (see Rohrbaugh at the Abstract).

**In regard to independent claims 14 and 23-24**, incorporates substantially similar subject matter as cited in claim 1 above, and are similarly rejected along the same rationale.

**In regard to dependent claim 2** incorporates substantially similar subject matter as cited in claim 1 above, and is similarly rejected along the same rationale.

**In regard to dependent claim 3 wherein said news-item marker display control means displays each of said news-item markers in the proximity of a header of each news item**, however (see Bjork at pages 187-196), discloses WEST browser for uses in Palm OS Emulator, that include one of the features such as:

1. A chunking stage, where an HTML page was divided into a number of smaller pages, or cards, which were then collected into groupings, or decks

2. A text reduction stage, where a set of keywords summarizing each card were extracted from the text,

3. A link extraction stage, where all the hyper-links on each card were extracted, the resulting cards, with supporting keywords and links, were then passed to the client. The client application would then provide the following display modes:

- Thumbnail view: Here, a focus+context visualization comprising miniature views of the cards (or top-most card of each deck) was provided,

- Keyword view: Here, rather than presenting thumbnails, the keywords extracted from each card were presented,

- Link view: Similar to the keyword view, but rather than displaying keywords, this view showed the links available on each card, (A pure text view, showing only the text with no images or formatting, was not included in this prototype but could be useful in some situations and might be added later.)

Each view allowed the user to zoom in completely on a card, providing a fully readable view of the content. The user interacted with the views using the flip zooming focus+context visualization technique [16], through which the system provided an overview of the material with simultaneous access to the individual cards, The WEST browser on a simulated Palm OS™ display, also (see detail Interacting Example on pages 190-192),

Examiner read news-item markers each corresponding to each of said news items in said in the proximity of a header of each news item in the broadest reasonable interpretation to the claim limitation; which would have been an obvious variant of the above (i.e. The WEST browser on a simulated Palm OS™ and its function shows in Interacting Example on pages 190-192), to a person of ordinary skill in the art at the time the invention was made.

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to have modified Rohrbaugh teaching, provides display means for displaying an image based on electronic information at least having image information of a page space having a plurality of partitions of news items and news-item contents information associated with each of said plurality of partitions of news items; operation means for executing information display onto said display means; image information display control means for displaying an image of said page space image information among said electronic information onto said display means, to include a means of utilizing control means displays each of said

news-item markers in the proximity of a header of each news item of Bjork's teaching. One of ordinary skill in the art would have been motivated to modify this combination to provide a scalable vector representation with resolution-independent vector display of Internet content to allow it to be scaled (zoomed) larger and smaller for better viewing or to fit any resolution or screen size, such as Simple Vector Format, where it is scaled and/or offset, enabling users to zoom and/or pan the Web content (see Rohrabough at the Abstract).

**In regard to dependent claim 4 wherein said operation means has a jog lever having a switch which is operated upward, downward, and in a push direction; said news-item marker display control means displays said news-item markers when said jog lever is switched upward or downward with a screen based on said page space image information displayed on said display means and, every time said jog lever is switched upward or downward, shifts candidate selection display to another of said news-item markers with one of them displayed as a selection candidate; and said news-item contents information display control means, when said jog lever is switched in the push direction, determines that the news-item marker displayed as selection candidate at that moment has been selected and displays the news-item contents information indicated by said selected news-item marker onto said display means, however (see Bjork at pages 187-196), discloses WEST browser for uses in Palm OS Emulator, that include one of the features such as:**

1. A chunking stage, where an HTML page was divided into a number of smaller pages, or cards, which were then collected into groupings, or decks
2. A text reduction stage, where a set of keywords summarizing each card were extracted from the text,

3. A link extraction stage, where all the hyper-links on each card were extracted, the resulting cards, with supporting keywords and links, were then passed to the client. The client application would then provide the following display modes:

- Thumbnail view: Here, a focus+context visualization comprising miniature views of the cards (or top-most card of each deck) was provided,
- Keyword view: Here, rather than presenting thumbnails, the keywords extracted from each card were presented,
- Link view: Similar to the keyword view, but rather than displaying keywords, this view showed the links available on each card,

(A pure text view, showing only the text with no images or formatting, was not included in this prototype but could be useful in some situations and might be added later.)

Each view allowed the user to zoom in completely on a card, providing a fully readable view of the content. The user interacted with the views using the flip zooming focus+context visualization technique [16], through which the system provided an overview of the material with simultaneous access to the individual cards. The WEST browser on a simulated Palm OS™ display, also (see detail Interacting Example on pages 190-192),

Examiner read operation means has a jog lever having a switch which is operated upward, downward, and in a push direction; which would have been an obvious variant of the above (i.e. The WEST browser on a simulated Palm OS™ and its function shows in Interacting Example on pages 190-192), to a person of ordinary skill in the art at the time the invention was made.

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to have modified Rohrbaugh teaching, provides display means for displaying an image based on electronic information at least having image information of a page space having a plurality of partitions of news items and news-item contents information associated with each of said plurality of partitions of news items; operation means for executing information display onto said display means; image information display control means for displaying an image of said page space image information among said electronic information onto said display means, to include a means of utilizing operation means has a jog lever having a switch which is operated upward, downward, and in a push direction; said news-item marker display control means displays said news-item markers when said jog lever is switched upward or downward with a screen based on said page space image information displayed on said display means and, every time said jog lever is switched upward or downward, shifts candidate selection display to another of said news-item markers with one of them displayed as a selection candidate; and said news-item contents information display control means, when said jog lever is switched in the push direction, determines that the news-item marker displayed as selection candidate at that moment has been selected and displays the news-item contents information indicated by said selected news-item marker onto said display means of Bjork's teaching. One of ordinary skill in the art would have been motivated to modify this combination to provide a scalable vector representation with resolution-independent vector display of Internet content to allow it to be scaled (zoomed) larger and smaller for better viewing or to fit any resolution or screen size, such as Simple Vector Format, where it is scaled and/or offset, enabling users to zoom and/or pan the Web content (see Rohrbaugh at the Abstract).

**In regard to dependent claim 5 wherein said operation means has a zoom-in button and a zoom-in display control means which, when said zoom-in button is pressed with an image of said news-item contents information displayed on said display means by said news-item contents information display control means, displays said image of said news-item content information in a magnified manner, however (see Bjork at pages 187-196), discloses WEST browser for uses in Palm OS Emulator, that include one of the features such as:**

1. A chunking stage, where an HTML page was divided into a number of smaller pages, or cards, which were then collected into groupings, or decks
2. A text reduction stage, where a set of keywords summarizing each card were extracted from the text,
3. A link extraction stage, where all the hyper-links on each card were extracted, the resulting cards, with supporting keywords and links, were then passed to the client. The client application would then provide the following display modes:

- Thumbnail view: Here, a focus+context visualization comprising miniature views of the cards (or top-most card of each deck) was provided,
  - Keyword view: Here, rather than presenting thumbnails, the keywords extracted from each card were presented,
  - Link view: Similar to the keyword view, but rather than displaying keywords, this view showed the links available on each card,
- (A pure text view, showing only the text with no images or formatting, was not included in this prototype but could be useful in some situations and might be added later.)

Each view allowed the user to zoom in completely on a card, providing a fully readable view of the content. The user interacted with the views using the flip zooming focus+context visualization technique [16], through which the system provided an overview of the material with simultaneous access to the individual cards, The WEST browser on a simulated Palm OS™ display, also (see detail Interacting Example on pages 190-192),

Examiner read operation means has a jog lever having a switch which is operated upward, downward, and in a push direction; which would have been an obvious variant of the above (i.e. The WEST browser on a simulated Palm OS™ and its function shows in Interacting Example on pages 190-192), to a person of ordinary skill in the art at the time the invention was made.

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to have modified Rohrabough teaching, provides display means for displaying an image based on electronic information at least having image information of a page space having a plurality of partitions of news items and news-item contents information associated with each of said plurality of partitions of news items; operation means for executing information display onto said display means; image information display control means for displaying an image of said page space image information among said electronic information onto said display means, to include a means of utilizing operation means has a zoom-in button and a zoom-in display control means which, when said zoom-in button is pressed with an image of said news-item contents information displayed on said display means by said news-item contents information display control means, displays said image of said news-item content information in a magnified manner of Bjork's teaching. One of ordinary skill in the art would



have been motivated to modify this combination to provide a scalable vector representation with resolution-independent vector display of Internet content to allow it to be scaled (zoomed) larger and smaller for better viewing or to fit any resolution or screen size, such as Simple Vector Format, where it is scaled and/or offset, enabling users to zoom and/or pan the Web content (see Rohrabough at the Abstract).

**In regard to dependent claim 9**, incorporates substantially similar subject matter as cited in claim 1 above, and further in view of the following and therefore is similarly rejected along the same rationale,

**wherein said display means has one display screen** (see Rohrabough at page 1, paragraph [0009 through page 12 paragraph [0105], also see FIGS. 7-9, discloses various clients ultra-thin client-side viewer provides the graphics, linking, caching, and function handling capabilities necessary for extending the web to almost any platform. It is designed as a lightweight browser (micro-browser) running directly on device operating systems, wherein supports a wide variety of clients, including land-based clients and wireless clients. Each client requires some client-side software that enables the scalable vector content data provided to it to be rendered at a user-selectable scale factor and offset on the client's display, such as a monitor or built-in LCD screen.

**In regard to dependent claim 10, wherein said electronic information is captured from a semiconductor memory**, (see Rohrabough at page 1, paragraph [0009 through page 12 paragraph [0105], also see FIGS. 7-9, discloses various clients ultra-thin client-side viewer provides the graphics, linking, caching, and function handling capabilities necessary for extending the web to almost any platform. It is designed as a lightweight browser (micro-

browser) running directly on device operating systems, wherein a computer program product that may include one or more machine-readable mediums having stored thereon instructions, which may be used to program a computer (or other electronic devices) to perform a process according to the present invention. The machine-readable medium may include, but is not limited to, floppy diskettes, optical disks, CD-ROMs, and magneto-optical disks, ROMs, RAMs, EPROMs, EEPROMs, magnetic or optical cards, flash memory, or other type of media/machine-readable medium suitable for storing electronic instructions.

**In regard to dependent claim 11, wherein said electronic information is captured via a network,** (see Rohrabough at page 1, paragraph [0009 through page 12 paragraph [0105], also see FIGS. 7-9), discloses various clients ultra-thin client-side viewer provides the graphics, linking, caching, and function handling capabilities necessary for extending the web to almost any platform. It is designed as a lightweight browser (micro-browser) running directly on device operating systems, wherein The machine-readable medium may include, but is not limited to, floppy diskettes, optical disks, CD-ROMs, and magneto-optical disks, ROMs, RAMs, EPROMs, EEPROMs, magnetic or optical cards, flash memory, or other type of media/machine-readable medium suitable for storing electronic instructions. Moreover, the present invention may also be downloaded as a computer program product, wherein the program may be transferred from a remote computer (e.g., a server) to a requesting computer (e.g., a client) by way of data signals embodied in a carrier wave or other propagation medium via a communication link (e.g., a modem or network connection).

**In regard to dependent claim 12, wherein said electronic information display apparatus is a display apparatus of a mobile information terminal apparatus** (see

Rohrbaugh at page 1, paragraph [0009 through page 12 paragraph [0105], also see FIGS. 7-9), discloses various clients ultra-thin client-side viewer provides the graphics, linking, caching, and function handling capabilities necessary for extending the web to almost any platform (i.e. PDA).

**In regard to dependent claim 13, wherein said electronic information display apparatus is a display apparatus of an electronic book, however (see Bjork at pages 187-196), discloses WEST browser for uses in Palm OS Emulator, that include one of the features such as:**

1. A chunking stage, where an HTML page was divided into a number of smaller pages, or cards, which were then collected into groupings, or decks
2. A text reduction stage, where a set of keywords summarizing each card were extracted from the text,
3. A link extraction stage, where all the hyper-links on each card were extracted, the resulting cards, with supporting keywords and links, were then passed to the client. The client application would then provide the following display modes:
  - Thumbnail view: Here, a focus+context visualization comprising miniature views of the cards (or top-most card of each deck) was provided,
  - Keyword view: Here, rather than presenting thumbnails, the keywords extracted from each card were presented,
  - Link view: Similar to the keyword view, but rather than displaying keywords, this view showed the links available on each card,(A pure text view, showing only the text with no images or formatting, was not included in this prototype but could be useful in some situations and might be added later.)

Art Unit: 2176

Each view allowed the user to zoom in completely on a card, providing a fully readable view of the content. The user interacted with the views using the flip zooming focus+context visualization technique [16], through which the system provided an overview of the material with simultaneous access to the individual cards, The WEST browser on a simulated Palm OS™ display, also (see detail Interacting Example on pages 190-192),

Examiner reads the above in the broadest reasonable interpretation to the claim limitation, wherein electronic book would have been an obvious variant of a number of smaller web pages, to a person of ordinary skill in the art at the time the invention was made.

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to have modified Rohrbaugh teaching, provides display means for displaying an image based on electronic information at least having image information of a page space having a plurality of partitions of news items and news-item contents information associated with each of said plurality of partitions of news items; operation means for executing information display onto said display means; image information display control means for displaying an image of said page space image information among said electronic information onto said display means, to include electronic information display apparatus is a display apparatus of an electronic book of Bjork's teaching. One of ordinary skill in the art would have been motivated to modify this combination to provide a scalable vector representation with resolution-independent vector display of Internet content to allow it to be scaled (zoomed) larger and smaller for better viewing or to fit any resolution or screen size, such as Simple Vector Format, where it is scaled and/or offset, enabling users to zoom and/or pan the Web content (see Rohrbaugh at the Abstract).

**In regard to dependent claims 15-18 and 22 respectively**, incorporates substantially similar subject matter as cited in claims 2-5 and 9 respectively above, and are similarly rejected along the same rationale.

7. **Claims 6-8 and 19-21** are rejected under 35 U.S.C. 103(a) as being unpatentable over Rohrabough et al. US 20020091738A1 – Published 07/11/2002 (hereinafter Rohrabough), in view of Bjork et al. “WEST: A Web Browser for Small Terminals” by UIST Published 1999 Asheville, NC (hereinafter Bjork), further in view of Liao US 20040021681A1 Filed 09/24/2002 (hereinafter Liao), further in view of Soares Provisional 60/414,494 filed 09/27/2002 (hereinafter Soares).

**In regard to independent claim 6**, Rohrabough and Bjork provides a system and method discloses various clients ultra-thin client-side viewer provides the graphics, linking, caching, and function handling capabilities necessary for extending the web to almost any platform (i.e. PDA) utilizing WEST browser for uses in Palm OS Emulator, that include one of the features such as: A chunking stage, A text reduction stage, A link extraction stage, Thumbnail view, Keyword view, and Link view,

but do not teach, **display means has two display screens and**, however (see Liao at page 2 paragraphs [0009] –[0011], discloses a dual-tough screen mobile computer adapted to enhancing punctuality of PDA interface on the sub screen).

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to have modified Rohrabough teaching, provides display means for displaying an image based on electronic information at least having image information of a page

Art Unit: 2176

space having a plurality of partitions of news items and news-item contents information associated with each of said plurality of partitions of news items; operation means for executing information display onto said display means; image information display control means for displaying an image of said page space image information among said electronic information onto said display means, to include electronic information display apparatus is a display apparatus of an electronic book of Bjork's teaching, further to includes displaying means has two display screens of Liao's teaching. One of ordinary skill in the art would have been motivated to modify this combination, because they are from the same field of endeavor of displaying electronic documents (web pages) using various clients ultra-thin client-side viewer that provides the graphics, linking, caching, and function handling capabilities necessary for extending the web to almost any platform (i.e. PDA) utilizing WEST browser for uses in Palm OS Emulator, that include one of the features such as: A chunking stage, A text reduction stage, A link extraction stage, Thumbnail view, Keyword view, and Link view and enabling a scalable vector representation with resolution-independent vector display of Internet content to allow it to be scaled (zoomed) larger and smaller for better viewing or to fit any resolution or screen size, such as Simple Vector Format, where it is scaled and/or offset, enabling users to zoom and/or pan the Web content (see Rohrabough at the Abstract).

Rohrabough, Bjork and Liao do not explicitly teach, **said image information display control means displays images of said page space image information onto said two display screens in a two-page spread manner**, however (see Soares at page 3 paragraph [0036] through page 4 paragraph [0070] also see Fig. 6), discloses the Spread Animation layout, wherein the electronic page turning motion generates a translucent shadow developed by a three-sided

Art Unit: 2176

polygon cast from a simulated light source in the upper left hand corner of the spread. The cast shadow is emanating from the illusion of the page being lifted. During the frames of animation 101 A, B proceed toward the center of the spread where point A moves in both the horizontal and vertical direction and point B does the same at a different rate. This accomplishes the illusion of twisting the page 101. At a certain point, A has crossed the vertical axis and the four-sided polygon is now two unique triangles. The two triangles have textured map data in them where the upper triangle represents the left hand side of the "next" spread and the lower triangle represent the right hand side of the "current" spread 102. The transition of the size and shape and placement of the two triangles serve to perform the illusion of seeing both sides of the two spreads ("current", "next") at the same time. Once point B has crossed the vertical axis, a four-point polygon is now shown with data from the "next" spread only 103. Both A and B complete the animation 104 by both points coming to rest while traveling at different speeds to a point where the "next" spread is shown and there is no animated polygon on screen.

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to have modified Rohrbaugh teaching, provides display means for displaying an image based on electronic information at least having image information of a page space having a plurality of partitions of news items and news-item contents information associated with each of said plurality of partitions of news items; operation means for executing information display onto said display means; image information display control means for displaying an image of said page space image information among said electronic information onto said display means, to include electronic information display apparatus is a display apparatus of an electronic book of Bjork's teaching, further to includes displaying means has two

Art Unit: 2176

display screens of Liao's teaching, and further to include a means of displaying said image information display control means displays images of said page space image information onto said two display screens in a two-page spread manner of Soares teaching. One of ordinary skill in the art would have been motivated to modify this combination, because they are from the same field of endeavor of displaying electronic documents (web pages) using various clients ultra-thin client-side viewer that provides the graphics, linking, caching, and function handling capabilities necessary for extending the web to almost any platform (i.e. PDA) utilizing WEST browser for uses in Palm OS Emulator, that include one of the features such as: A chunking stage, A text reduction stage, A link extraction stage, Thumbnail view, Keyword view, and Link view and enabling a scalable vector representation with resolution-independent vector display of Internet content to allow it to be scaled (zoomed) larger and smaller for better viewing or to fit any resolution or screen size, such as Simple Vector Format, where it is scaled and/or offset, enabling users to zoom and/or pan the Web content (see Rohrabough at the Abstract) and provides the Spread Animation layout of displaying plurality of web pages (see Soares at page 3 paragraph [0036] through page 4 paragraph [0070] also see Fig. 6).

**In regard to dependent claims 7-8**, incorporates substantially similar subject matter as cited in claims 1 and 6 above, and are similarly rejected along the same rationale.

**In regard to dependent claims 19-21 respectively**, incorporates substantially similar subject matter as cited in claims 6-8 respectively above, and are similarly rejected along the same rationale.



*Conclusion*

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Quoc A. Tran whose telephone number is (571) 272-4103. The examiner can normally be reached on Monday through Friday from 9 AM to 5 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Herndon R. Heather can be reached on (571) -272-4136. The fax phone number for the organization where this application or proceeding is assigned is (571)-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

---

*Quoc A. Tran*  
*Patent Examiner*  
*Technology Center 2176*  
*March 12, 2006*

*William L. Bashore*  
**WILLIAM BASHORE**  
**PRIMARY EXAMINER**  
*3/15/2006*